

Water-Data Report 2011

103366993 Incline Creek above Tyrol Village, near Incline Village, NV

Pyramid and Winnemucca Lakes Basin

LOCATION.--Lat 39°15'32", long 119°55'20" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.11, T.16 N., R.18 E., Washoe County, NV, Hydrologic Unit 16050101, on right bank, 300 yds upstream from locked gate located at Tirol Drive at Tyrol Village, 400 ft upstream of tributary, and 40 ft downstream of IVGID diversion structure.

DRAINAGE AREA.--2.85 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1990 to March 2011 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. See schematic diagram of Pyramid and Winnemucca Lakes Basin available from the Nevada Water Science Center and Truckee River Basin available from the California Water Science Center.

103366993 Incline Creek above Tyrol Village, near Incline Village, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	2.4	2.3	2.2	e2.1	1.9	---	---	---	---	---	---
2	1.4	2.3	2.3	2.2	2.0	1.9	---	---	---	---	---	---
3	1.8	2.3	2.4	2.0	2.0	1.9	---	---	---	---	---	---
4	1.9	2.3	2.3	2.0	2.0	2.0	---	---	---	---	---	---
5	2.2	2.4	2.4	2.0	2.1	1.9	---	---	---	---	---	---
6	2.2	2.3	2.3	1.9	2.2	1.8	---	---	---	---	---	---
7	2.0	2.4	2.3	2.0	2.2	1.8	---	---	---	---	---	---
8	2.1	2.3	2.3	1.9	2.4	1.7	---	---	---	---	---	---
9	1.9	2.3	2.7	1.9	2.3	1.8	---	---	---	---	---	---
10	2.0	2.3	2.9	1.9	2.3	1.7	---	---	---	---	---	---
11	2.1	2.3	2.7	1.9	2.2	1.7	---	---	---	---	---	---
12	2.2	2.3	2.5	2.0	2.4	2.0	---	---	---	---	---	---
13	2.3	2.2	2.4	2.0	2.4	2.0	---	---	---	---	---	---
14	2.3	2.3	2.7	1.9	2.3	2.0	---	---	---	---	---	---
15	2.2	2.4	2.6	2.0	2.3	2.1	---	---	---	---	---	---
16	2.2	2.4	2.7	2.2	2.4	2.1	---	---	---	---	---	---
17	2.2	2.4	2.6	2.4	2.5	1.9	---	---	---	---	---	---
18	2.1	2.4	2.6	2.3	2.6	1.9	---	---	---	---	---	---
19	1.7	2.5	2.6	2.3	2.4	2.0	---	---	---	---	---	---
20	1.8	2.5	2.5	2.2	2.3	2.0	---	---	---	---	---	---
21	1.7	e2.5	2.2	2.2	2.2	2.0	---	---	---	---	---	---
22	1.8	e2.5	2.1	2.2	2.1	1.9	---	---	---	---	---	---
23	1.8	e2.5	2.1	2.2	2.1	1.8	---	---	---	---	---	---
24	3.0	e2.6	2.1	2.1	2.1	1.8	---	---	---	---	---	---
25	2.2	2.6	2.1	2.1	2.2	2.0	---	---	---	---	---	---
26	2.1	2.6	2.2	2.1	2.1	1.8	---	---	---	---	---	---
27	2.0	2.5	2.4	2.1	2.2	1.5	---	---	---	---	---	---
28	1.9	2.2	2.4	2.2	2.1	1.5	---	---	---	---	---	---
29	2.0	2.2	2.3	2.4	---	1.6	---	---	---	---	---	---
30	2.3	2.3	2.1	2.3	---	2.1	---	---	---	---	---	---
31	2.4	---	2.1	e2.2	---	3.7	---	---	---	---	---	---
Total	63.1	71.5	74.2	65.3	62.5	59.8	---	---	---	---	---	---
Mean	2.04	2.38	2.39	2.11	2.23	1.93	---	---	---	---	---	---
Max	3.0	2.6	2.9	2.4	2.6	3.7	---	---	---	---	---	---
Min	1.3	2.2	2.1	1.9	2.0	1.5	---	---	---	---	---	---
Ac-ft	125	142	147	130	124	119	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2011, BY WATER YEAR (WY)

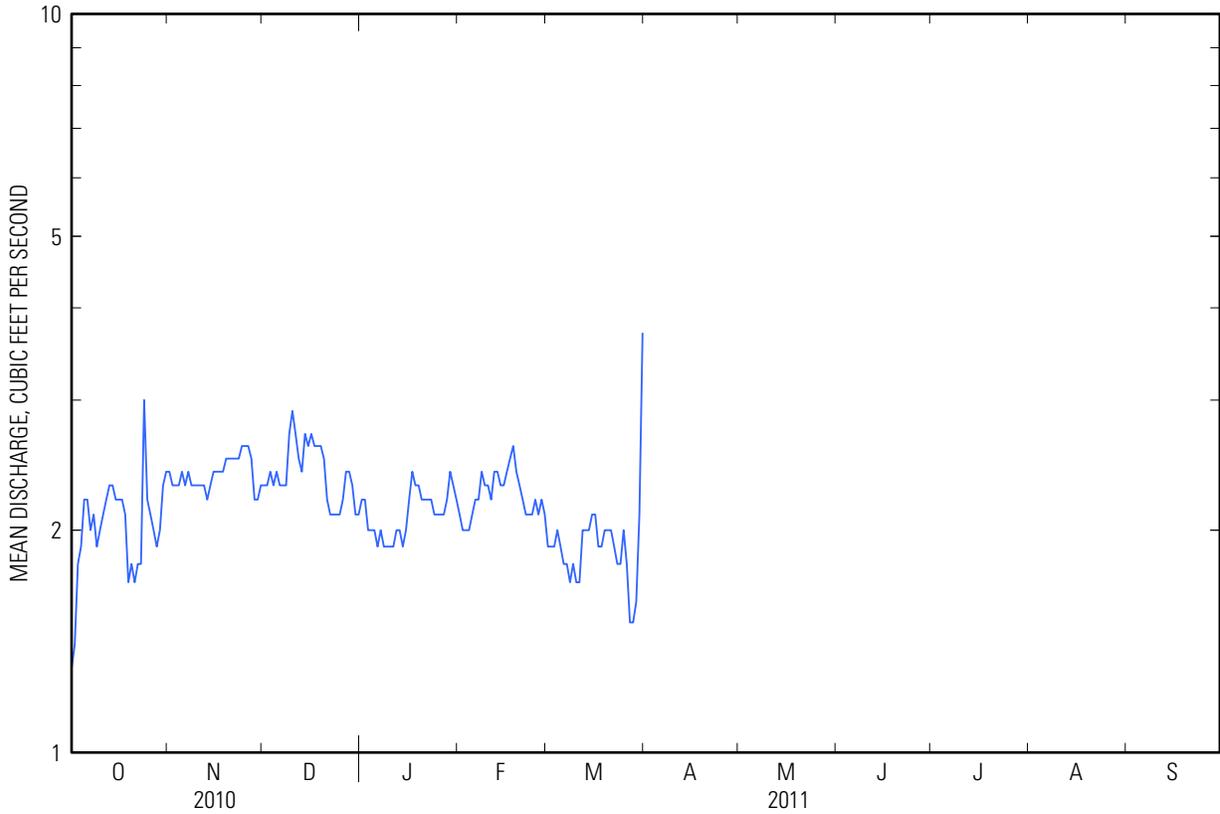
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.91	2.01	2.01	2.18	1.99	2.70	4.90	10.1	9.52	4.91	2.57	1.90
Max	3.99	3.60	4.04	7.42	3.94	5.39	11.0	26.9	26.8	22.5	9.30	5.05
(WY)	(1996)	(1999)	(2006)	(1997)	(1996)	(1997)	(1997)	(2006)	(1995)	(1995)	(1995)	(1995)
Min	0.54	0.75	0.83	0.72	0.92	1.16	2.56	1.60	0.77	0.61	0.25	0.26
(WY)	(1993)	(1993)	(1993)	(1991)	(1993)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)

103366993 Incline Creek above Tyrol Village, near Incline Village, NV—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Years 1990 - 2011	
Annual total	1,179.8			
Annual mean	3.23		3.99	
Highest annual mean			7.83	2006
Lowest annual mean			1.02	1992
Highest daily mean	20	Jun 6	44	May 18, 2006
Lowest daily mean	1.2	Feb 10	0.18	Aug 19, 1992
Annual seven-day minimum	1.2	Feb 7	0.21	Aug 1, 1992
Maximum peak flow			59	May 18, 2006
Maximum peak stage			^a 2.93	Sep 24, 2010
Annual runoff (ac-ft)	2,340		2,890	
10 percent exceeds	7.2		8.7	
50 percent exceeds	2.2		2.4	
90 percent exceeds	1.4		0.88	

^a Backwater from debris.



103366993 Incline Creek above Tyrol Village, near Incline Village, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to March 2011 (discontinued).

REMARKS.--In November 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. The original hydrazine method used to determine nitrate plus nitrite concentrations (parameters 00631 and 00630) was found to have interferences caused by calcium and magnesium in stream water samples. The nitrate plus nitrite concentrations under parameters 99911 and 99910 are based on a laboratory method that uses pyrophosphate to remove interferences caused by calcium and magnesium. This method has replaced the original hydrazine method as of December 2008.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 3

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than]

Date	Sample start time	Medium name	Sample type	Discharge, instantaneous, ft ³ /s (00061)	Temperature, air, °C (00020)	Temperature, water, °C (00010)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	pH, water, unfiltered, field, standard units (00400)	Barometric pressure, mm Hg (00025)
10-06-2010	1000	Surface water	Regular	2.0	4.0	4.0	41	--	--
11-04-2010	1400	Surface water	Regular	2.3	16.0	5.0	40	--	--
12-07-2010	1115	Surface water	Regular	2.3	2.0	1.1	38	7.6	604
01-06-2011	0920	Surface water	Regular	1.9	-1.5	.5	38	--	--
02-22-2011	1015	Surface water	Regular	2.1	-2.0	.5	41	--	--
03-08-2011	1135	Surface water	Regular	1.9	3.0	1.8	38	7.5	600

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; <, less than]

Date	Sample start time	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (99911)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)
10-06-2010	1000	--	--	.16	.23	.005	.018	.013	.020
11-04-2010	1400	--	--	--	.11	.003	.004	.010	.022
12-07-2010	1115	11.4	101	.09	.08	.003	.016	.008	.015
01-06-2011	0920	--	--	--	.07	.004	.035	.010	.020
02-22-2011	1015	--	--	--	.06	< .003	.041	.011	.022
03-08-2011	1135	10.9	99	--	.06	.004	.041	.011	.022

103366993 Incline Creek above Tyrol Village, near Incline Village, NV—Continued**WATER-QUALITY DATA****WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 3 of 3

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second;
 mg/L, milligrams per liter; mm Hg, millimeters of mercury;
 °C, degrees Celsius; μS/cm, microsiemens per centimeter;
 --, no data; <, less than]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Suspended sediment concen- tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-06-2010	1000	.030	3	.02
11-04-2010	1400	.026	1	.01
12-07-2010	1115	.016	3	.02
01-06-2011	0920	.024	1	.01
02-22-2011	1015	.026	9	.05
03-08-2011	1135	.029	16	.08